



Environmental Report 2023



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Company Introduction

Company DUNLOP SRIXON SPORT MANUFACTURING (THAILAND) CO., LTD. (DSSMT)
Location Kabinburi Industrial Zone, location in eastern Thailand
(190 kilometers away from Bangkok)
Business Commencement Date December 21, 2007
Area 36,800 square meters
Number of employee In 2022 ~ 452 persons

Business Operation

Manufacturing of tennis balls under the customer-defined conditions, requirements, as well as customer needs. Most of DSSMT products are certified by ITF (The International Tennis Federation).

Certification



ISO 9001 : 2015
Certificate No : TQ-073
23 January 2024



ISO 14001 : 2015
Certificate No : 10465062
4 December 2025



Environmental Message



Satoshi Tanaka
Managing Director

We have been operating here since 2007. We have always been involved in activities to reduce our environmental impact. However, we must do more to reduce our environmental impact in the future. In addition to reducing the environmental impact of our factories, we must also reduce the environmental impact of the entire community and our employee's homes. We will continue to address these difficult issues while continuing our business.

We are a tennis ball manufacturing company. We manufacture and supply high quality tennis ball to our customer. At the same time, we are considering with environment issue in the world. We reduced CO2 emission 19% for electricity power comparing from last year with new power supplier. In addition, we are trying to reduce plastic in our products. Through those countermeasures, we will commit CSR. We will never compromise any issues.



Yusuke Tanigawa
Technical Advisor,
Purchasing and IT Manager



Environmental Message



Don Prapipek
General Manager

This year, the hot season in Thailand is noticeably hotter than the previous ones. This, of course, is a result of global warming that is intensifying incessantly. The use of fossil fuels is one of the causes of this crisis because a massive amount of carbon dioxide is released from automotive combustion. If the global temperature keeps rising ceaselessly, it will cause the ice at the polar ice to melt. Finally, the sea level would increase and lead to coastal flooding, heavy rain, as well as flash floods.

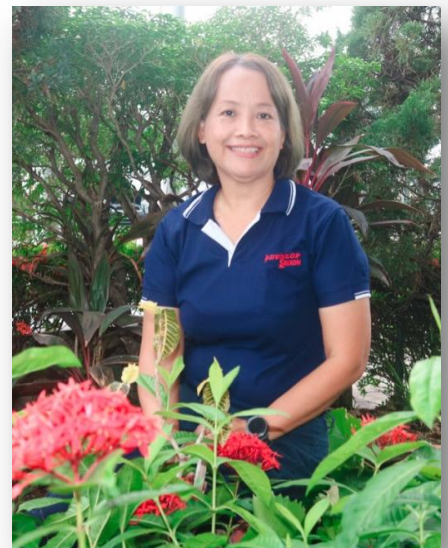
Therefore, we really need to reduce the use of fossil fuels and promote more renewable energy such as solar or wind power so that our carbon footprint can be reduced. This will help slow down and reduce the severity of global warming, and in the meantime preserve the global environment and nature as long as possible.

Hello, everyone.

As you know, this is the year we all undeniably experience the unpredictable weather. Extreme hot weather is what is now commonly discussed. Due to the extremely hot weather, people all over the world are affected regardless of ages or healthiness. Heat stroke is now a common cause of death in persons who need to be exposed to extreme heat.

In addition, we have been encountering the uncontrollable problem of PM 2.5 air pollution every year, which is a result of the emissions from combustion engine, waste incineration, and agricultural waste burning. These cause the greenhouse gases which is the key factor of global warming and climate change. Although stopping the climate change and global warming seems impossible, we should do our best to at least slow it down. Simply by adjusting and changing some destructive behaviors, we can be a small earth saver to help preserve a good and sustainable environment for the new generation.

Lastly, we hope everyone stays safe and healthy and is ready to beat the problems occurred and those that may occur.



Porntip Siriban
General Manager

Environmental Message



Kruawan Kallayasiri

PE&QA and R&D Senior Manager

As a product developer and manufacturer, we need to consider the damaging impact of tennis ball manufacturing on the environment, and take into account the sources of raw materials, recycling and degradation or disposal after expiration.

That's why we have set a target of reducing the amount of plastic consumption in our tennis ball production. We hope that our attentive actions more of less help reduce and solve environmental problems and global warming.

As the electrical energy we consume daily is another factor that causes environmental pollution problems, resulting in severe global warming, many organizations all over the world have been trying to come up with and find various measures to solve this problem in order to reduce greenhouse gas emissions from the electricity generation.

DSSMT is committed to contributing to the use of clean electricity generated by renewable energy sources so that carbon dioxide emissions will be reduced as well.



Surin Meekham

Engineering Manager

Environmental Message



Supattra Kaewsombat
Production Manager

Reduce resource usage
Reduce waste generation
Change to alternative materials
Start saving the global environment starting from ourselves.

Environmental conservation and preservation is everyone's responsibility. In addition to saving water and energy, household waste segregation is also considered a good helper in protecting and preserving the environment. Don't forget to separate wet waste and dry waste, recyclable waste, and hazardous waste in your daily consumption so that they can be handled or disposed easily, effectively and safely.

With these simple actions, it's another way we can save the environment.



Panthita Pimmadakul
SE and HR/Admin Manager



Company Policy

1. Accelerating the motivation and encouragement in the society and organization

- Create a safe, stable, and precious
- Explore challenges with new creative ideas to enhance the production stability.

2. From crisis to opportunity

- Adapt to the changes in the environment, in the midst of difficult circumstances
- Set KPIs, follow up the progress, and apply PDCA yourself.

3. Elevating the personnel development. The total growth of individuals = The growth of a company.

- Proposing the “proactive reduction of environmental impact” as required in line with current era.
- Reliability and consistency - Focus on cultivating the awareness of regulatory compliance and internal controls.

田中 智之

Satoshi Tanaka
Managing Director
January 1, 2023



Safety and Occupational Health, Environment, Quality Policies

Dunlop Srixon Sport Manufacturing (Thailand) Co.,Ltd. As manufacturer of high quality and excellent service Tennis Balls incorporates important the risks, both internal and external. Related to quality, service, environment, occupational, health, safety and working conditions of our workers to attain high level of customer's satisfaction and working standards of our company.

In serve these objectives, our company has undertaken to implement the following :

1. Timely Delivery to meet customer's satisfaction.
2. Reduction and prevention of possible risks of accidents upcoming with employee, contractor, sub-contractor, visitor and company.
3. Abide strictly to rules and regulations relating to environment, occupational health and safety issues.
4. Commitment to the identification and evaluation of environment aspect and impact still focuses on activities, production process, product and company service related environment. And resources can be used to achieve maximum benefit. To continuously improve operations even further.
5. Commitment to the safety and Occupational activities for prevention and reduce of injuries and health for all employees.
6. Commitment to the environment activities for protection and prevention of pollution.
7. Active participation and involvement with environmentalists by sharing company's environmental policies.
8. Commitment to build safety working place and be fit to work, to protect the injured and illness.
9. Commitment to suggestion to and support employees participate opinion.
10. Commitment to continual improvement and sustainable of the company's quality, environment, occupational, health and safety activities.

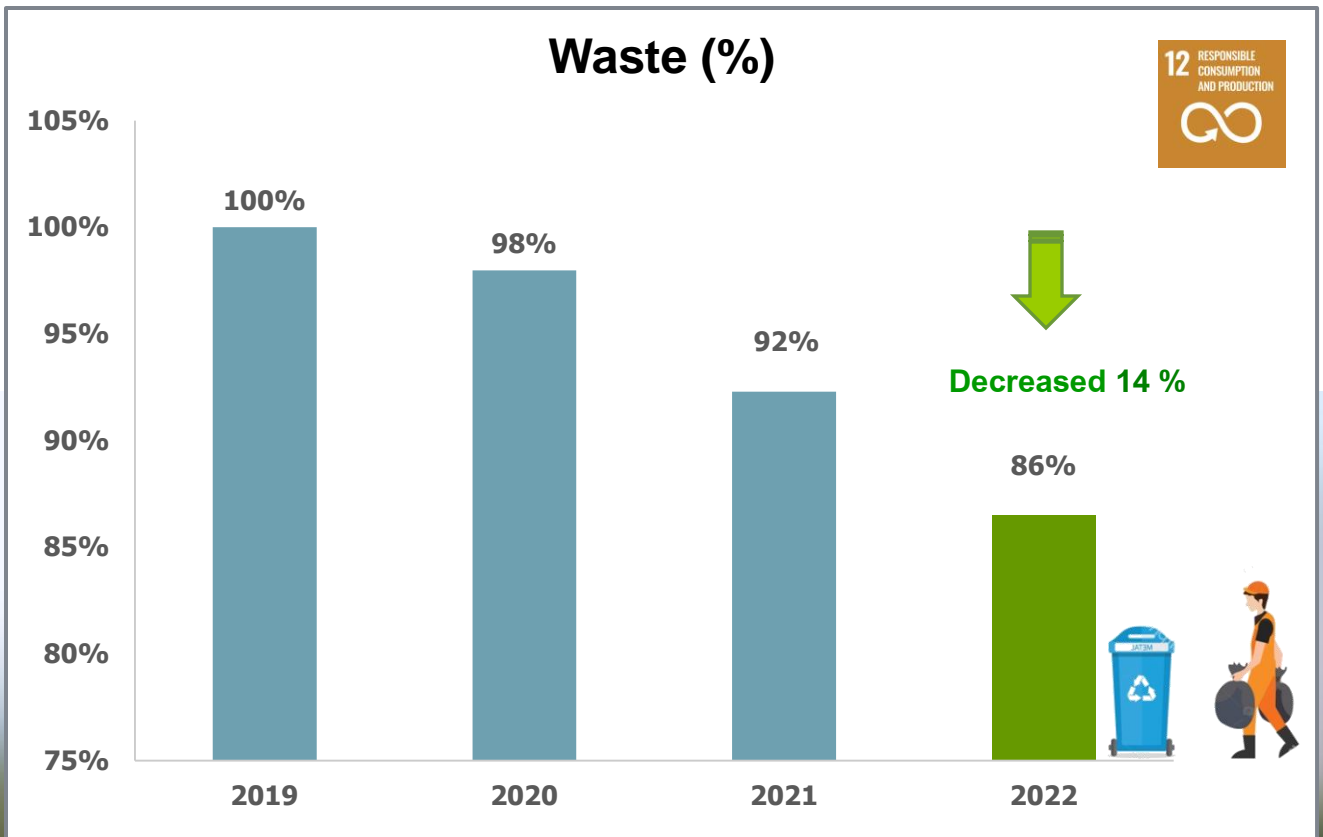
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Satoshi Tanaka
Managing Director



2022 Environmental Measures

This graph shows a steadily decreasing amount of waste materials handled within the company from 2019 to 2022, a decrease of 14%.

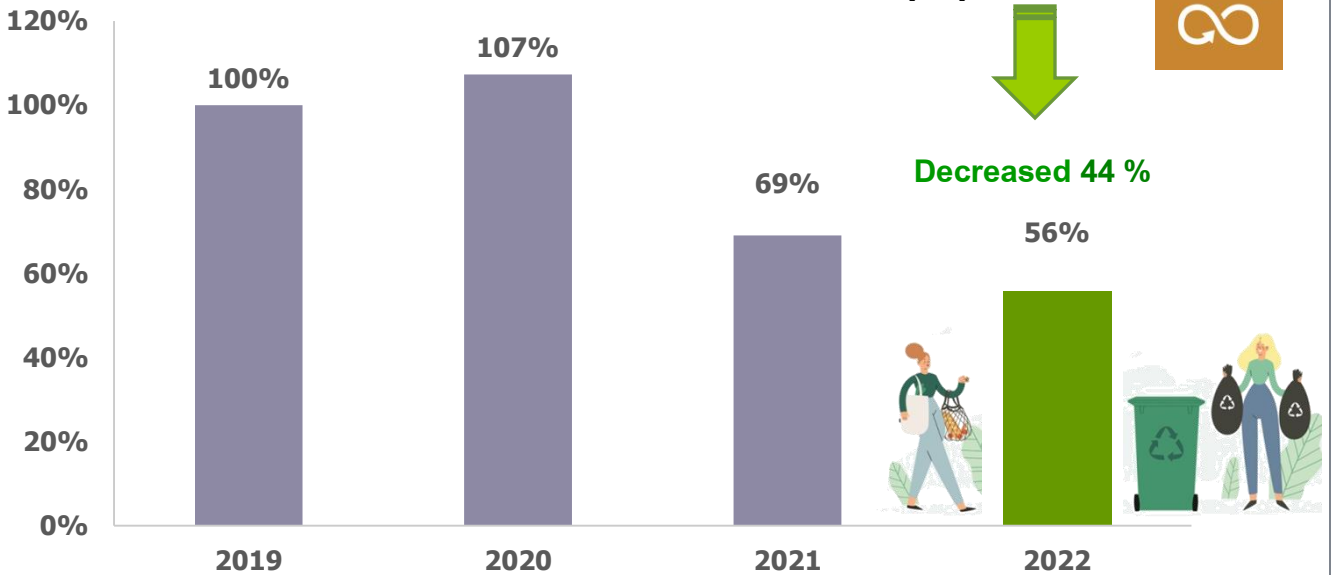


We have carried out various activities to help reduce the amount of waste materials. For example, we have implemented the recycle of adhesive to reduce the adhesive waste. This results in the decreased amount of adhesives to be disposed as well as a reduction of the amount of VOC.

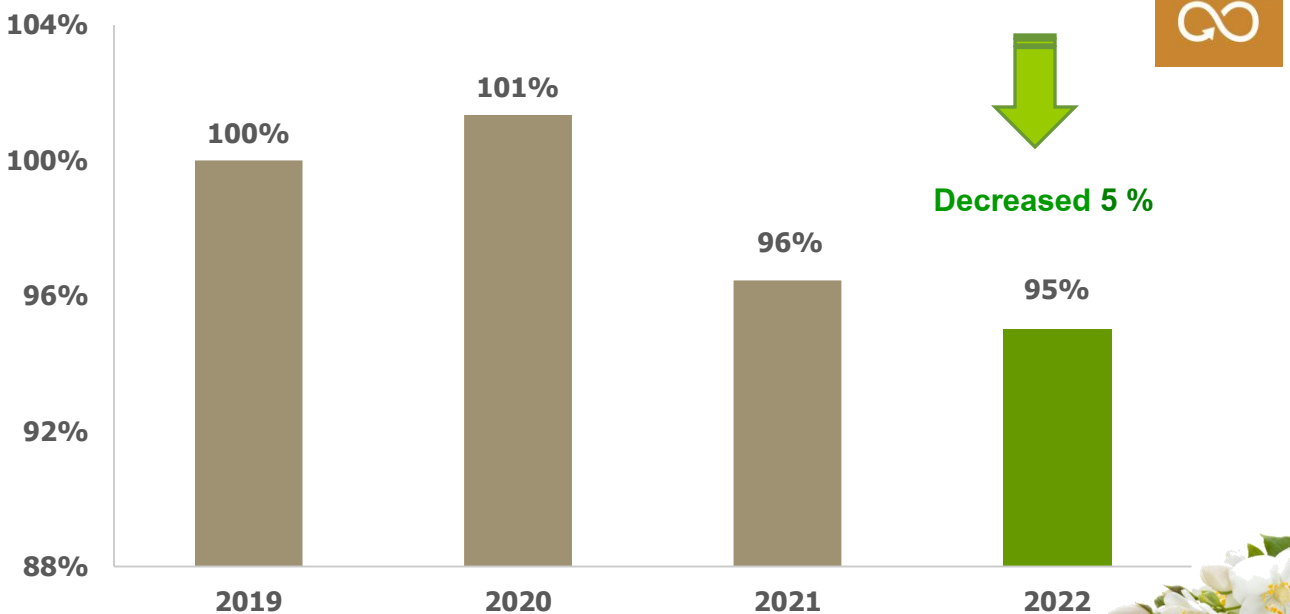
Activity to reduce the amount of adhesive waste from production processes.

From the graph, it shows the amount of adhesive waste that has been decreasing since June 2021 until 2022 after we started the adhesive recycling activities and implemented continuously. Compared to 2019, it was found that the amount of adhesive waste was reduced by 44 % and the amount of VOC consumption decreased by 5%.

Reduction of Glue waste (%)



Reduction of VOC (%)



Air Quality and Wastewater Monitoring and Inspection Activities 2022



To monitor the emission of polluted air into the atmosphere and the release of wastewater into public areas, the company has regularly performed the monitoring and inspection of air quality and waste water. The results show that nothing exceeds the standards and criteria required by legal requirements.

	Facility	Item	Unit	Regulation Value	FY 2022 results			Legislation to verify the regulation value
					Min	Max	Ave.	
Emission to the atmosphere	Boiler	SOx	ppm	950	522	787	618	IND-035, IND-062 (Ministry of Industry)
		NOx	ppm	200	137	146	141	
		Dust, Particulate matter	g/Nm3	240	75	93	85	
Drainage	waste water	BOD	mg/L	≤500	61	237	116	KIZ-003 (Kabinburi industrial Zone)
		SS Suspended solids	mg/L	≤200	42	85	63	
		pH	-	5.0-9.0	7.6	8.1	7.8	
		Oil content	mg/L	10	7.3	7.3	7.3	



Environmental and Safety Activities

Safety, Environment and Energy Conservation Fair

October 21 and 28, 2022



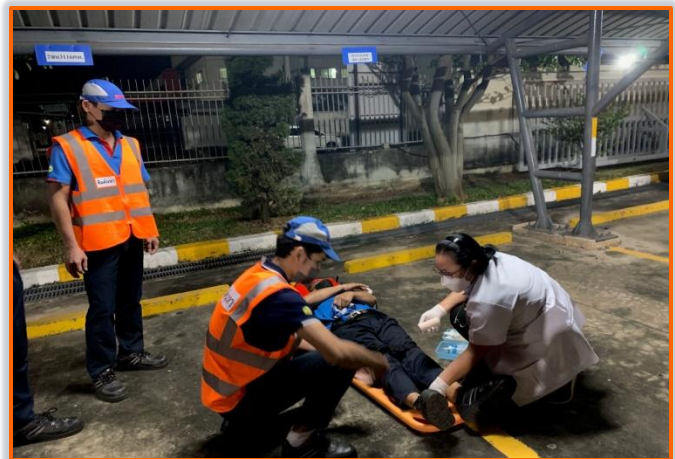
Singing contests to enhance the safety awareness, quiz games about safety, and energy and environmental conservation.

Environmental and Safety Activities

Emergency Drills



Chemical spill response and clean up training.



Basic fire fighting training and annual fire evacuation drill, attended by 100% of company employees (both day and night shifts).

Environmental and Safety Activities

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LIFE ON LAND



August 29, 2022, the company participated in a tree planting event at Ban Khok Lan School (80 trees were planted).



The purpose of this tree planting event is to create a good relationship between our company and the nearby communities. In addition, the employee representatives have the productive opportunity to help the communities other than working in the company. In this tree planting event, we chose to plant a variety of seasonal fruit trees in the school area, such as mango trees, rambutan trees, longan trees because we hope that these fruits will become a dessert for the students someday.

Corporate Social Responsibility (CSR)

On August 29, 2022 at Ban Khok Lan School, a school in the nearby area.



The company organized a luncheon and provided necessary school supplies, such as bags, socks, to forty-four students. This activity brought joyfulness and happiness to students, teachers, as well as our executive representatives and employees who attended the event.

Energy Conservation in the Employee Perspective



Energy conservation activities are activities that allow the company's employees to participate in saving electricity and consuming resources worthily. Saving energy can be called a win-win solution for all. Especially for the company, we can get the most benefit in reducing costs and expenses effectively. In addition, a slogan writing contest was held, hoping to promote energy conservation and encourage our employees as well.



In my view, our company has an effective energy conservation and environmental protection policy, as we can see from the excellent coordination, cooperation, and participation expressed by all the employees when the productive activities and campaigns are conducted and implemented, for instance, turning off lights when not in use and turning off the taps after use. With these simple actions, the enormous outcome can be seen if we all do it together.



Energy conservation means the use of efficient, effective, and economical use of energy. What we gain from the energy conservation is not only the reduced consumption of energy but also the reduced costs and expenses. In addition, conducting the energy conservation activities allows the employees to contribute and help each other. Most importantly, when our employees regularly and continuously do it until it becomes a habit, these beneficial practices can be used at home or in different places as well.

 **DUNLOP**

| **SRIXON**



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